

ABSTRACT OF THE DISCLOSURE

The technique of the invention relieves the requirement of repeated positioning to a wireless communicable range in the process of data transmission to and from each of multiple cartridges by wireless communication.

A carriage 210 with multiple ink cartridges 111 through 116 mounted thereon is stopped at a position P1, which is away a distance D0 from an antenna 233 and is conveyed from the position P1 at a preset velocity V. With the movement of the carriage 210, detection storage modules 121 through 126 mounted on the ink cartridges 111 through 116 sequentially approach to the antenna 233 and establish communication with a control circuit 222 of a printer via the antenna 233 of a receiver transmitter unit 230. This arrangement enables data transmission between the control circuit 222 and each of the detection storage modules 121 through 126 without repeatedly stopping the carriage 210.